

Schuchard Elementary

**MATH
ROCKS**

Summer Math Activities

For Students Entering Grade 1

Name: _____

Are you ready to have “sum” summer math fun?

You have learned SO much this year! It is important that you keep practicing your mathematical knowledge over the summer to be ready for 1st grade.

Create a personal Math Journal by stapling several pieces of paper together or use a notebook. Be sure to show all your work from the calendar activities in your Math Journal.

Included in this packet:

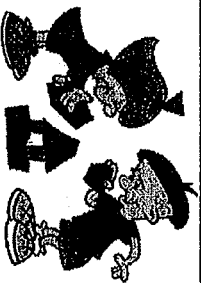
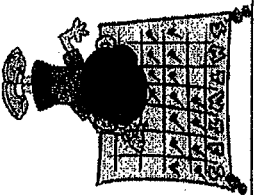
- * A calendar of activities for the months of July and August. Once you have completed an activity, have a family member initial the box on the calendar.
- * Flash cards for you to practice your addition facts 3-4 times per week
- * Several math games to play with your family
- * A list of websites you can use to practice your math skills
- * X-tra Math Summer Log

Don't forget to bring your July and August calendars and activities to school on the first day of 1st grade. The teachers at Schwarzkoﬀ will be so proud of your summer math work!




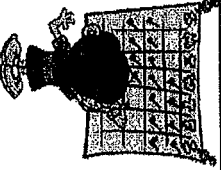
Happy Thinking!

July

<p>#1 Write the names of the people in your house. Count the letters in each and circle the name that has the most letters.</p>	<p>#2 Look at the calendar and count how many Fridays are in July and August.</p>	<p>#3 As a grown-up to say 3 numbers in a row. You say the next three numbers — or more! Do this several times. (ex. Adult — “7,8,9” Child — “10,11,12”)</p>	<p>#4 Skip count by 10’s to 100. Skip count by 2’s to 10 or more.</p>
<p>#5 Count how many times you can jump in a minute.</p>	<p>#6 Play “I-Spy” (Shapes, colors, number of windows, etc.) Use tally marks while you count.</p>	<p>#7 Go on a Shape Hunt. Look for items shaped like a circle, square, and rectangle in your house. Draw your “findings” in your journal.</p>	<p>#8 Numbers in Sports — Cut out pictures from magazines or newspapers used in sports and paste them on a piece of paper.</p>
<p>#9 Use a paperclip or small noodle to measure the length of 2 objects in your house. Which one is longer? Shorter? Are they the same?</p>	<p>#10 Find a group of objects to sort (toys, laundry, cans of food, etc.) Find at least two ways to sort and classify (describe each group).</p>	<p>#11 Play “Top-It” (also called War) with a deck of cards. Directions are attached.</p>	<p>#12 Create a pattern using the shoes in your house. Name the pattern: ABC, ABAB, ABCD</p>
<p>#13 Draw a clock face. Write 12 at the top, 6 at the bottom, and then the rest of the numbers. Add hands if you want.</p>	<p>#14 Help set the table for a meal. How many people are there? How many forks, spoons, and knives do you need?</p>	<p>#15 Collect 5 shells or rocks. Put them in order from smallest to largest.</p>	<p>#16 Grab a handful of cereal or candy and estimate how many pieces you have. Now count the pieces. Did you make a good estimate?</p>



August

<p>#1 Favorite Ice Cream Survey – Take a survey of people's favorite ice cream flavor. Use the table in the packet to record your results. Put a tally mark next to each flavor chooses.</p>	<p>#2 Ice cream graph – Use the data (tally marks) from your favorite ice cream survey to fill in the bar graph on the survey sheet.</p>		<p>#3 Fill in the missing number 8, _____, 10 11, _____, 13 4, 5, _____ _____, 15, 16 _____, 1, 2</p>	<p>#4 Write the numbers 1-5. Draw objects to match each number.</p>
<p>#5 Write the numbers 6 – 10. Draw objects to match each number.</p>		<p>#6 Use the hundred chart to count to 100 (count by 1's, 5's, 10's etc.)</p>	<p>#7 Write the numbers 11 – 15. Draw circles to match each number.</p>	<p>#8 Flashcard Day! Cut out your flashcards (attached) and practice your facts.</p>
<p>#9 Write the numbers 16 – 20</p>	<p>#10 Flashcard Day! Practice your facts with the flashcards you cut out last week.</p>	<p>#11 Divide things in half: sandwich, cracker, cookie, etc.</p>		<p>#12 Measure the width of a room in your house using your feet as the measuring tool. How many "feet" wide is the room? Next, have a grown up measure the room using his/her feet. How many "grown-up" feet wide is the room? Is there a difference? Why?</p>
<p>#13 At bath time, estimate how many minutes it takes to fill the bathtub. Then have a grown-up time it with a watch or clock. How close was your estimate to the actual time?</p>		<p>#14 Count the number of days until school starts. Make sure your Math Calendar is ready for First Grade.</p>	<p>#15 Flashcard Day! Practice your facts with the flashcards you cut out.</p>	

Top-It

Directions:

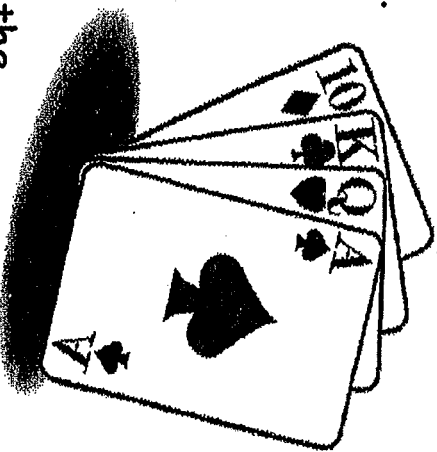
This is a game for two players (You may remember it as WAR).

You will need a deck of cards. Remove the Aces and face cards. Children shuffle the deck and deal out the cards.

Children place their stacks face down in front of them. They then turn over their top cards and read the numbers aloud.

Whoever has the larger number keeps both cards. If the cards have the same number, put them aside and turn over

the next two cards until someone wins the round and takes all the cards. When children have used all the cards from both stacks, play ends.



Variation: Take index cards and make your own deck with higher numbers. Children should write numbers in the upper left and lower right corners of each card as on standard playing cards.

Directions to Math Games

Compare

You need

- Deck of Primary Number Cards or Deck of playing cards (without Wild Cards)

Primary Number Cards

0	0	0	0	3	3	3	3
1	1	1	1	4	4	4	4
2	2	2	2	5	5	5	5

Play with a partner.

1. Deal the cards facedown.
2. Both players turn over the top card.
3. The player with the larger number says "Me!" and takes the cards. If the cards are the same, both players turn over another card.
4. Keep turning over cards. Each time, the player with the larger number says "Me!" and takes the cards.
5. The game is over when there are no more cards to turn over.

More Ways to Play

- The player with the **smaller** number says "Me!"
- Play with 3 players.
- Play with the Wild Cards. A Wild Card can be any number.

Double Compare

You need

- Deck of Primary Number Cards or deck of playing cards (without Wild Cards)

Play with a partner.

1. Deal the cards facedown.
2. Both players turn over their top two cards.
3. The player with the larger total says "Me!" and takes the cards. If the totals are the same, both players turn over two more cards.
4. Keep turning over two cards. Each time, the player with the larger total says "Me!" and takes the cards.
5. The game is over when there are no more cards to turn over.

More Ways to Play

- The player with the **smaller** total says "Me!"
- Play with 3 players.
- Play with the Wild Cards. A Wild Card can be any number.

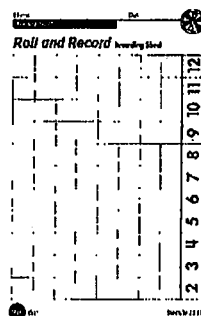
Roll and Record

You need

- 2 dot cubes
- Recording sheet (attached)

Play alone.

1. Roll 2 cubes.
2. Add the numbers.
3. Write the sum on the recording sheet.
4. The game is over when one column is full.



More Ways to Play

- Play with 1 dot cube and 1 number cube.
- Play with 2 number cubes.

Teddy Bear Picnic

You need

- A deck of Teddy Bear picnic cards (attached)
- Teddy Bear Picnic Gameboard (attached)
- Two Game pieces for teddy bears (teddy grahams may work well for this)



Play with a partner

1. Place your game piece on the house. The goal of the game is to get your teddy bear to the picnic.
2. Player 1 turns over a card and solves the equation. That player then moves his bear that many spaces. I.e: $2+2 = 4$. So that player moves four spaces.
3. Player 2 goes after player 1 and solves his equation. I.e: $5-3 = 2$. So that player moves his bear 2 spaces.
4. Play continues until both players reach the picnic.

More ways to play

If your child is having difficulty solving the equations, give them some pennies and a ten frame (see attached) to help them add or take away.

Math Websites

At the time this list was created, the websites listed were checked by teachers and deemed child appropriate. However, parents should always monitor their child's use of any Internet site. You can also Google many other online math games!

- www.xtramath.org
- www.xpmath.com
- www.mathisfun.com
- www.funbrain.com
- <http://www.math-play.com/Middle-School-Math-Games.html>
- www.multiplication.com
- www.aaamath.com
- <https://sites.google.com/site/gameonlearning/math-middle-school-games>